BRUATH BANGALORE MAHANAGARA PALIKE

Project Division, Rajarajeswarinagar Zone.

Name of the Work: Providing Repairs to Kerb Painting, Bench Fixing to Sundaranagara Park In Ward No.17 in Rajarajeswarinagar Zone.

Work Code:

Est.Cost **1000000.00**

Sl. No	Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
1	Earthwork in surface excation in hard soil for leveling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cable) and removing the excavated stuff to distance not exceeding 50m and lift up to 1.5m excavated surface leveled and neatly dressed disposed as per specification. pathway and as per the direction of the engineer in charge of the work - in hard soil PWD(BC) Item No.2.1 Page No.5								
	BR	164.00	9.84	173.84					
	East Side	Cum	1	39.20	1.40	0.15	8.23		
	North Entrence Side		1	26.00	1.75	0.15	6.83		
	West Side		1	39.50	1.60	0.15	9.48		
	Ranga Mandhira Opp		1	14.50	8.30	0.15	18.05		
							42.59	173.84	7404.00
2	Earthwork excavation for foundation of buildings, water supply sanitary lines and electrical conduits either in pits or in trenches 1.5m. In and above in width, in hard soil not exceeding 1.5m in depth including dressing in bottom and sides of pits and trenches, stacking the excavated soil clear from edges complete as per specifications. and as per the direction of the engineer in charge specifications. and as per the directions of the engineer in charge of the work PWD(BC) Item No.2.4Page No.5								
	BR	211	12.66	223.66					
	Kerb		1	184.50	0.30	0.30	16.61		
	Bench		8	2.30	1.70	0.15	4.69		
	Sump		1	1.50	1.30	1.50	2.93		
							24.22	223.66	5417.00
3	KSRRB M300-55. Construction of Subgrade and Earthen Shoulders. Construction of sub-grade and earthen shoulders with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller)MORTH Specification No. 305 Page No 157 Item No 19.62								
	BR=180+(10x1.28x2)=205.60+6%=217.94								
	East Side	Cum	1	39.20	1.40	0.20	10.98		
	North Entrence Side		1	26.00	1.75	0.20	9.10		
	West Side		1	39.50	1.60	0.23	14.54		
	Ranga Mandhira Opp		1	14.50	8.00	0.25	29.00		
							63.61	217.94	13864.00

	Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
4	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Item No.4.3 Page No.12								
	BR	3973	238.38	4211.38					
	Bench 8 old+8 New		16	2.30	1.70	0.15	9.38		
	Sump		1	1.50	1.30	0.20	0.39		
							9.77	4211.38	41162.00
5	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Item No.4.6 Page No.12								
	BR	4425	265.50	4690.50		cum			
	Sump		1	1.50	1.30	0.10	0.20		
	Bench 8 old+8 New	Cum	16	2.30	1.70	0.15	9.38		
							9.58	4690.50	44930.00
6	KSRB 6-2.3 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Item No.6.6 Page No.30								
	BR	5326	319.56	5645.56					
	Sump Alround	Cum	1	4.75	0.23	1.30	1.42		
							1.42	5645.56	8018.00
7	KSRB15-3.4 : Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Item No.15.13 Page No.120								
	BR	149.00	8.94	157.94					
	Sump Alround	Sqm	2	4.75		1.30	12.35		
							12.35	157.94	1951.00

	Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
8	KSRB15-4.6 Extra for providing and mixing waterproofing compound in cement plaster for birck masonry work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:3, 20mm thick cost of materials complete as per specifications. Item No.15.28 Page No.121								
	BR	12.50	0.75	13.25					
	Sump Alround	Sqm	2	4.75		1.30	12.35		
							12.35	13.25	164.00
9	Providing and fixing Pre cast **solid concrete** kerb stones made out of CC 1:2:4 of size 450x150x500 mm and finished with CM 1:3 plasting and finishing cutting etc., complete size:0.50x0.15x0.45 and as per the direction of the engineer in charge of the work PWD(BC) Item No.5.29.2 Page No.24								
	BR	283.00	16.98	299.98					
	Kerb Pathway		1	184.50			184.50		
	For allround Bench		16	4.25			68.00		
	West Side Pathway		2	1.80			3.60		
							256.10		
				256.10	/0.45		569.11	299.98	170722.00
10	Providing and heavy duty cobbles stones 60mm thick inter lock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick and bed (average thickness) and compacting with plate vibrator having 3 tones compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its ginal compaction of paver surface joints into its final level, including cost of materials, labour and HM of machineries complete as per specification and as per the direction of the engineer in charge of the work PWD(BC) Item No.14.6 Page No.88								
	BR	786.00	47.16	833.16					
	West Side Pathway	Sqm	1	39.50	1.60		63.20		
			1	1.80	1.55		2.79		
							65.99	833.16	54980.00

	Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
	Providing and heavy duty cobbles stones 60mm thick inter lock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick and bed (average thickness) and compacting with plate vibrator having 3 tones compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its ginal compaction of paver surface joints into its final level, including cost of materials, labour and HM of machineries complete as per specification and as per the direction of the engineer in charge of the work PWD(BC) Item No.14.6 Page No.108 Available Cabble stone								
	BR	256.00	15.36	271.36					
	A) Basic Rate 786	Sqm							
	B) Cost of Cobble stone 400	1	14.50	8.20			118.90		
	C) 10% on Cobble stone 40.00	1	23.30	1.20			27.96		
	D) 10% on Other Charges 40.00	1	15.30	1.30			19.89		
	E=Arrived Rate = A-B+C+D=786-	1	6.90	1.40			9.66		
	)400.00+40.00+40.00)	1	3.20	3.90			12.48		
		1	30.40	1.75			53.20		
	=306+6%=324.36/Sqm	1	9.90	1.50			14.85		
	Bench Plat Form	10	2.20	1.45			31.90		
							288.84	324.36	93688.00
12	Providing and laying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thorougly cleaning of oil, grease, dirt and other foregin matter, and sand papering including cost of materials, labour, complete as per specifications, and as per the direction of the engineer in charge of the work. PWD(BC) Item No.15.80 Page No.105								
	BR	22.00	1.32	23.32					
	Kerb	SQM	1	184.50	0.30		55.35	23.32	1291.00
13	KSRRB M800-6. Painting two coats on New Concrete Surface:-Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces complete as per specifications. Item No.24.7 Page No.193								
	BR	54.00	3.24	57.24					
	Kerb	Sqm	1	184.50	0.30		55.35		
	Chainlink allround		2	109.60	2.40		526.08		
	Pathway Grill		1	154.00	0.60		92.40		
							673.83	57.24	38570.00
14	Providing electric welding using carbon electrodes including cost of welding machine, power charges, welding rods, and labour charges for welding etc., complete as per specification. Item No.7.28 Page No.45								

	Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
	R	2.03	0.12	2.15					
		Cm	1	6500.00			6500.00		
							6500.00	2.15	13987.00
15	Providing and fixing Joint bench of Granite made out of Sadarahalli Grey Stone legs with back supporting with 150mm slab with 4line finishing. all accessories and with all lead and lift, loading and unloading etc., complete and as per approved design and directions of the Engineer-in-charge. vide office order 22/09-10 dated: 14/08/2009. Hort Lalbag.SR								
	Date Rate= 10500	Each					8	10500.00	84000.00
16	Supplying **sand for children play Area**								
	Basic Rate Pii Ino56= = 1300/cum								
	Lead chargesP148 2.00x1.60x10. =32.00								
	Loading/un loading Ino17.10 =62.20								
	Total Rs = 1394.20/cum								
	At children play Area	Cum	1	21.80	9.80	0.150	32.05	1394.20	44679.00
17	Providing and fixing M.S.Grill over existing compound wall as per Chief Architect drawing No. 12686, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly leaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification. tem No.7.36 Page No.47								
	BR	5526	331.56	5857.56					
	weast Side Missed link	Sqm	1	56.00	0.60		33.60		
	East side Missed link		1	11.50	0.60		6.90		
							40.50	5857.56	237231.00
18	Provding and fixing Ornamental **MS Dust Bins** as per the design and directions and excavating as per the direction of the Engineeri in-charge of the work as per Data rate								
		Each	5				5	4800.00	24000.00
19	Providing Ornamental **grill Gate** as per the design and drawing enclosed and as per the direction of the Engineer-in-chareg of the work. As per Data Rate Approved								
			1	2.40		1.95	4.68	3400.00	15912.00
20	Supplying and Fixing 10cm thick BS Slab and one line dressing to granite stone slab/ granite stone masonry as per specifications. Page No.28 I No.5.31& P-27, I.No.5.17)								
	BR	943.00	56.58	999.58					
	Basic Rate=450+363=813	Sqm	1	1.50	1.30		1.95	999.58	1949.00
21	Cost of howlage including loading, unloading surface road up to 5kms . Loading and unloading charges PWD(BC) SR 2012-13 Item No.17.10 Page No 141,& P-147 Note 62.20+5x1.30x2.00=13.00= 75.20+6%=79.71								
	BR	75.20		75.20					
	Qty Vide Item NO 1 and 2		Cum				66.81	75.20	5024.00
									908943.00
22	Add 10% KRIDL Charges								90894.00

Description	Unit	NO	L	B	D	QTY	RATE	AMOUNT
Miscellaneous and Unforeseen Charges		LS						2776.00
						TOTAL		1000000.00

(Rupees: Ten Lakhs Only)

CERTIFICATE:

1] This work comes under B.B.M.P.Limits

2] This Removing Debris up to 5 km lead and lift

3] The Provisions made in the Estimate are necessary and minimum.

4] The Estimate is based on the C.S.R. of 2013-14. and Data approved rate

A.E/J.E
RR nagar Sub-Division
B.B.M.P

Assistant Executive Engineer(P)
RR nagar Sub-Division
B.B.M.P

Executive Engineer(P)
RR nagar Division
B.B.M.P

ADMINISTRATIVE APPROVED

Rs : 10,00,000/- (Ten lakh only)
.....is accorded
under the head : P-0190
.....
By AC (R.R.N.) : Sl.No: 2847
Vide Register Page No. 52 - 53 .....subject
to conditions contained in enclosed memo
No. : AS/2847/13-14 Date : 13/02/14

TA. AC (R.R.N.)

Technically sanctioned for Rs. 10,00,000/-
Rs. Ten Lakhs only/-
.....is accorded
under the head P-0190
.....
By E.E.(P), R.R.N Sl No. 39 Pg No. 0104 LI
Registered as [illegible] R.R.N No. 39 subject
to conditions contained in enclosed memo
No. TS/39/13-14 Date 19/02/2014

AEE/TA [illegible] E.E(P), R.R.N